

Serial No. 10/807,091

Amendments to the Claims:

Please cancel claims 1-20.

Please add claims 21-51.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-20. (Cancelled).

21. (New) A system, comprising:

a marine riser fixed relative to a floor of an ocean;

a floating structure floating on a surface of the ocean;

a housing disposed above a portion of the marine riser, at least a portion of the housing positioned above the surface of the ocean;

an inner member rotatable relative to the housing;

a rotatable tubular extending from the floating structure and through the inner member;

a seal moving with the inner member to sealably engage the tubular;

the floating structure movable relative to the inner member when the tubular is rotating; and

a quick disconnect member to disconnect the inner member from the housing.

22. (New) The system of claim 21, wherein the housing permits substantially full bore access to the marine riser.

23. (New) The system of claim 21, wherein the inner member is removably positioned with the housing.

Serial No. 10/807,091

24. (New) The system of claim 21, further comprising a conduit and wherein the housing has a first housing opening adapted to discharge a drilling fluid received from the marine riser; and

the conduit communicating the drilling fluid from the first housing opening to the floating structure.

25. (New) The system of claim 24, further comprising a rupture disk and wherein the housing has a second housing opening; and

the rupture disk in fluid communication with the second housing opening.

26. (New) The system of claim 21, wherein the quick disconnect member is a clamp.

27. (New) The system of claim 21, further comprising:
a choke to control pressure in the marine riser.

28. (New) The system of claim 21, wherein the seal is a stripper rubber.

29. (New) A system adapted for use with a rotatable tubular, comprising:
a marine riser;
a housing disposed above a portion of the marine riser and having a first housing opening to discharge a drilling fluid received from the marine riser;
an assembly comprising:

an inner member rotatable relative to the housing and
having a passage through which the rotatable tubular may
extend; and

a seal moving with the inner member to sealably engage the
rotatable tubular; and

a flexible conduit for communicating the drilling fluid from the
first housing opening.

30. (New) The system of claim 29, further comprising a floating structure,

Serial No. 10/807,091

wherein the flexible conduit communicates drilling fluid from the first housing opening to a device on the floating structure.

31. (New) The system of claim 30, wherein the device controls a pressure in the marine riser.

32. (New) The system of claim 29, wherein the seal is a stripper rubber.

33. (New) The system of claim 29,
wherein the drilling fluid is maintained at a predetermined pressure.

34. (New) A method, comprising the steps of:
positioning a housing above a portion of a marine riser;
allowing a floating structure to move independent of the housing while drilling;
communicating a pressurized drilling fluid through a conduit from the housing to the floating structure; and

flexing the conduit to compensate for relative movement of the floating structure and the housing while performing the step of communicating the pressurized drilling fluid.

35. (New) The method of claim 34, wherein an internal diameter of the housing is substantially the same as an internal diameter of the marine riser.

36. (New) The method of claim 35, further comprising the step of:
removing an assembly from the housing.

37. (New) The method of claim 34, the step of positioning a housing above a portion of a marine riser, comprising the step of:
lowering the housing through the floating structure.

38. (New) A method, comprising the steps of:

Serial No. 10/807,091

positioning a housing with a casing fixed relative to an ocean floor, the housing adjacent a level of a floating structure;

allowing the floating structure to move independent of the housing;

moving a drilling fluid from a rotatable tubular to the floating structure above the housing;

rotating the tubular relative to the housing,

positioning a seal between the housing and the tubular, and

moving the seal with the tubular while the tubular is rotating.

39. (New) The method of claim 38, the step of moving the drilling fluid comprising the step of:

compensating for relative movement of the floating structure and the housing.

40. (New) The method of claim 38, further comprising the step of:
pressurizing the drilling fluid to a predetermined pressure.

41. (New) A method, comprising the steps of:
fixing a marine riser relative to the ocean floor;
allowing a floating structure to move independent of the marine riser; and
communicating a pressurized drilling fluid from the marine riser to the floating structure, comprising the step of:

compensating for relative movement of the floating structure and the marine riser using a flexible conduit.

42. (New) A method, comprising the steps of:
removably inserting a rotatable seal in a marine riser;
allowing a floating structure to move independent of the marine riser;
pressurizing a drilling fluid in the marine riser, and
compensating for relative movement of the floating structure and the marine riser using a flexible conduit.

Serial No. 10/807,091

43. (New) A system, comprising:
- a marine riser fixed to an ocean floor;
 - a housing disposed above a portion of the marine riser having a first housing opening and a second housing opening to communicate a drilling fluid received from the marine riser;
 - an inner member rotatable relative to the housing and having a passage through which a rotatable tubular may extend; and
 - a seal moving with the inner member to sealably engage the rotatable tubular.
44. (New) The system of claim 43, further comprising:
- a rupture disk blocking the second housing opening to block fluid communication from the housing.
45. (New) A method, comprising the steps of:
- positioning a housing above a portion of a marine riser, wherein an internal diameter of the housing is substantially the same as an internal diameter of the marine riser;
 - removably positioning an assembly in the housing;
 - allowing a floating structure to move independent of the housing;
 - pressurizing drilling fluid in the housing; and
 - compensating for relative movement of the floating structure and the housing.
46. (New) A system, comprising:
- a marine riser positioned relative to a floor of an ocean;
 - an assembly removably disposed above a portion of the marine riser, the assembly comprising:
 - an inner member rotatable relative to the riser and having a passage through which a rotatable tubular may extend;
 - a radially outwardly disposed outer member;

Serial No. 10/807,091

a plurality of bearings interposed between the inner member and the radially outwardly disposed outer member; and

a seal moving with the inner member to sealably engage the tubular.

47. (New) The system of claim 46, further comprising:
a housing,
wherein the assembly is removably disposed within the housing.
48. (New) A system, comprising:
a housing adapted for positioning above a portion of a marine riser, comprising:
a first housing opening to discharge a drilling fluid received from the marine riser, and
an assembly removably positionable within the housing, comprising:
a sealing member, which rotates relative to the housing, and seals a tubular when the tubular is rotating.
49. (New) The system of claim 48, further comprising:
a flexible conduit for communicating the drilling fluid from the first housing opening.
50. (New) The system of claim 48, wherein the housing permits substantially full bore access to the marine riser.
51. (New) The system of claim 48, wherein a portion of the housing extends above an ocean surface.